

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in this application:

Listing of the Claims:

Claims 1-5. (Canceled).

6. (Currently Amended) ~~The system of claim 1~~ A system for illuminating a target area of an eye treated with a photosensitizer, the system comprising:

a contact portion configured to interface with the eye to provide an optical path between the eye and the system;

a plurality of light emitters configured to emit light having an emissions spectrum with at least an activation wavelength of the photosensitizer;

a selective reflector configured to reflect at least a majority of light having the activation wavelength of the photosensitizer and to pass at least some light having wavelengths other than the activation wavelength, the selective reflector positioned to receive emitter light and to direct a portion of the emitter light reflected from the selective reflector toward the contact portion, the selective reflector positioned to receive and pass a portion of light reflected from the eye and passed by the contact portion; and

a visualization portion positioned to receive and pass that portion of light reflected from the eye and passed by the selective reflector,

wherein each of the light emitters has a light source and includes a lens having a focal length and being spaced from the light source of the light emitter by substantially the focal length of the lens.

7. (Canceled).

8. (Currently Amended) ~~The system of claim 1~~ A system for illuminating a target area of an eye treated with a photosensitizer, the system comprising:

a contact portion configured to interface with the eye to provide an optical path between the eye and the system;

a plurality of light emitters configured to emit light having an emissions spectrum with at least an activation wavelength of the photosensitizer;

a selective reflector configured to reflect at least a majority of light having the activation wavelength of the photosensitizer and to pass at least some light having wavelengths other than the activation wavelength, the selective reflector positioned to receive emitter light and to direct a portion of the emitter light reflected from the selective reflector toward the contact portion, the selective reflector positioned to receive and pass a portion of light reflected from the eye and passed by the contact portion; and

a visualization portion positioned to receive and pass that portion of light reflected from the eye and passed by the selective reflector,

wherein the contact portion is rotatably coupled to another portion of the system to manipulate intensity of the emitter light received by the target area of the eye.

9-15. (Canceled).

16. (Currently Amended) ~~The system of claim 15, further comprising~~ A system for illuminating a target area of an eye, the system comprising:

a plurality of light emitters;

a selective reflector positioned to receive emitter light and to direct a portion of the emitter light to be received by the eye, the selective reflector positioned to receive and pass a portion of light reflected from the eye;

an electronic image capture device positioned to receive as an image a portion of the light passed by the selective reflector;

a controller electrically coupled to the plurality of light emitters to selectively activate ones of the light emitters;

an electronic monitor electrically coupled to the electronic image capture device to display images captured by the electronic image capture device; and

a touch screen device overlayed onto the electronic monitor, the touch screen device electrically coupled to the controller to select activation of the light emitters.

Claims 17-19. (Cancelled).

20. (Currently Amended) ~~The system of claim 11~~ A system for illuminating a target area of an eye, the system comprising:

a plurality of light emitters; and

a selective reflector positioned to receive emitter light and to direct a portion of the emitter light to be received by the eye, the selective reflector positioned to receive and pass a portion of light reflected from the eye;

wherein the selective reflector is movably mounted such that position of the selective reflector with respect to the plurality of light emitters is adjustable.

21. (Original) The system of claim 20 wherein the selective reflector is movably mounted through a pivotal coupling.

Claims 22-26. (Cancelled).